

EXPERIMENTAL FARM WEEKLY LETTER

WHEN TO USE 2,4-D

When the weed infestation in a grain crop is severe enough to warrant the use of 2,4-D, the question of time of treatment must be considered. Even though a simple and straightforward answer is impossible, we may be able to clear up most of the points involved.

Two main factors must be considered, firstly the growth stage of the weeds, and secondly the growth stage of the crop. As a general statement, it may be said that the younger the annual weed the more readily it may be killed with a given dose of 2,4-D. From this it follows that for equal kills of any given weeds,

the dosage must be increased as the weed growth advances in size and age. It must also be remembered that the dosages normally used for the selective killing of annual weeds in a growing crop will have no effect on weeds which begin growth after the 2,4-D has been applied.

The general recommendations for treatments made in crops of wheat, oats, barley and rye is to treat after the crop has been out of the ground for three weeks or five inches tall, but before the crop has reached the shot blade stage. The recommendation for flax has been to treat after the crop has been up for three weeks or is four inches tall, but before buds

form. There was some evidence from the experimental work conducted in 1948 that the least damage to flax resulted from treatments given to younger flax stands, when the plants had only five or six leaves. However

at the time flax is in this stage of growth, there likely would not be sufficient weed growth present to justify any treatment being given. Considering these two factors of weed and crop growth, treatments

should be made at such times as to kill the greatest number of weeds while causing the least amount of damage to the crops.

Not only must the time of treatment be considered, but also it is necessary to decide when not to treat the crop at all. A treatment given to a crop with a slight and

scattered weed infestation will not be a paying proposition from the standpoint of crop yields alone in the year of treating. Weed control in fields having a light infestation can be attained by cultural methods more cheaply than by 2,4-D treatment applied to the weed crop.



Tomorrow's Dinner
Onion Soup with Cheese Croutons
Baked Fish Fillets Louisiana
Flaky Rice Celery and Tomato
Baked Bananas with Jelly
Coffee or Tea Milk (Children)

Baked Fish Fillets Louisiana
For this use 1 lb. fresh or frozen fish fillets of any kind. Wash and dust with salt and pepper. Next peel and fine-chop 1 large onion; add 1/4 c. minced parsley, 1/4 tsp. thyme and 1/4 tsp. powdered bayleaf. Oil a shallow casserole or baking dish suitable for table service. Spread half the chopped onion on this; put in the fillets, dot with 1 tbsp. butter or shortening and add the remaining onion mixture. Bake about 40 min. in a moderate oven, 350-375 F. Serve plain, or with heated canned tomato sauce, or for a very dressed up meal, use real Hollandaise.

Baked Bananas with Jelly
Allow 1 small green tipped banana for each person. Cut off the tips. Peel the bananas and halve lengthwise. Then cut each half in two, making 4 sections from one banana. Place in a buttered or margarine baking dish. Pour over 1/2 c. currant or other tart jelly combined with 3 tbsp. orange or tangerine juice and melted. Bake about 12 min. in a moderate oven, 375 F., or until the banana is soft. Baste occasionally with the jelly mixture.

Next Day's Dinner
Grape Fruit Hot Biscuits
Minute Steaks (or Hamburgers)
Yams with Orange Juice
Tossed Mixed Vegetable and Green Salad
Louisiana Baked Custard
Coffee
(All measurements are level)
(Recipes serve four)

Trick of the Chef
When stewing celery and tomato together, add a little powdered basil for a new flavor.

Minute Steaks
Order individual steaks cut a scant 1/2" thick. Slash the fat around the edge in several places so they will lie flat. Brush with French dressing seasoned with little garlic. Pre-heat the broiler; place the steaks on the rack and broil under intense heat, turning as soon as well-browned on one side. Allow 4 min. for rare steaks; 5 min. if to be well done. Top each with a ball or pat of lemon-juice flavored butter or margarine.

Louisiana Baked Custard
Measure 3/4 c. granulated sugar into a small heavy sauce pan and slowly melt over a low heat. Lumps will form; but keep stirring until the sugar liquefies is pale brown in color. Turn at once into a qt-sized mold, tipping the mold quickly from side to side to coat it thoroughly. Next scald 3 c. milk. Beat 4 eggs slightly and add the milk, 1/4 c. additional sugar, 1/4 tsp. salt, 1/2 tsp. vanilla and 1/4 tsp. cinnamon. Mix thoroughly. Pour into the mold. Set it in a pan, pour in boiling water to surround, and bake about 50 min. in a slow to moderate oven, 325-350 F., or until firm in the centre and a knife, when inserted gently, comes out clean. Remove from the water; cool and chill. To serve, place a deep dessert plate over the top of the mold; then quickly invert it. The custard will be surrounded with a caramel sauce. Sprinkle the top with chopped pecans.

Trick of the Chef
Pour 1/2 c. orange juice over the contents of 1 can yams arranged in a baking dish; heat 20 min. in a moderate oven.

THE OLD HOME TOWN

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By STANLEY



CANADIAN CADRE TRAINS WITH U.S. MARINES



Canadian Captain Roger des Rivieres (right) is shown leading the Canadian cadre now training with U.S. marines at the naval base in Charleston, S.C. The Canadian army group, first cadre to train with the marines, is using marine uniforms, weapons and equipment while in training, under the watchful eye of 5,000 visiting marines and navy personnel who are at liberty in Charleston, en route to Atlantic fleet manoeuvres in the Caribbean. At left is Lieut. L. W. G. Hayes, of Ottawa.

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